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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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**Application Number** 09/481,814 January 11, 2000 Filing Date

First Named Inventor Hwang et al Group Art Unit

Examiner Name

Attorney Docket Number ATL 130re

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		NO PH	. 3		U.S. PATENT DOC	UMENTS			
M	By artin her Initials	Cite No.1	U.S. Patent O Number	ocument Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Ralevant Passages or Relevant Figures Appear		
	1/4	1	4,112,411		Alais et al.	9/1978			
	77	2	4,119,938		Alais	10/1978			
		3	4,282,452		Hassler et al.	8/1981			
		4	4.572.203		Feinstein	2/1986	·		
		5	4,844,082		Fukukita et al.	7/1989			
		6	4,865,042		Umemura et al.	9/1989			
		7	5,086,775		Parker et al.	2/1992			
		8	5.135.000		Akselrod et al.	8/1992			
		9	5,224,481		Ishihara et al.	7/1993			
	$\sqcup \sqcup$	10	5,233,993		Каwапо	8/1993			
		11	5,241,473		Ishihara et al.	8/1993	C		
		_12	5.255.683		Monaghan	10/1993			
		_13	<del></del>		Lin et al.	4/1994	- 三百百		
			5,456,257		Johnson et al.	10/1995	· i		
			5.469.849		Sasaki et al.	11/1995	- ω		
		16	5,482,044		Lin et al.	1/1996	2500		
		17	5.632.277		Chapman et al.	5/1997	- 8		
			5.706.819	$\rightarrow$	Hwang et al.	1/1998	, r.		
			5,577,505		Brock-Fisher et al.	11/1996	370		
		20	5.902.243		Hollev et al.	5/1999	9		

	FOREIGN PATENT DOCUMENTS							
Examiner	Cite	ſ	oreign Patent Doo		Name of Patentee or	Date of Publication of	Pages, Columns, Lines; Where Relevant	$\Box$
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Complete if Known **Application Number** 09/481,814 Filing Date January 11. First Named Inventor Hwang et al **Group Art Unit** Examiner Name

of

Attorney Docket Number ATL 130re

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	.,					
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A	21	CHURCH, "The Effect of an Elastic Solid Surface Layer on the Radial Pulsation of Gas Bubbles." JASA v.97, No.3, Mar. 1995. 1510-21.	Ī					
Ar	22	MILLER, "Ultrasonic Detection of Resonant Cavitation Bubbles in a Flow Tube by Their Second-harmonic Emissions." Ultrasonics. Sep. 1981. pp.217-224.						
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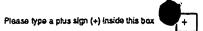
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				U.S. PATENT DOCU	MENTS	
Examiner Initials	Cite No.1	U.S. Patent Number ,	Document Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	FOREIGN PATENT DOCUMENTS								
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